

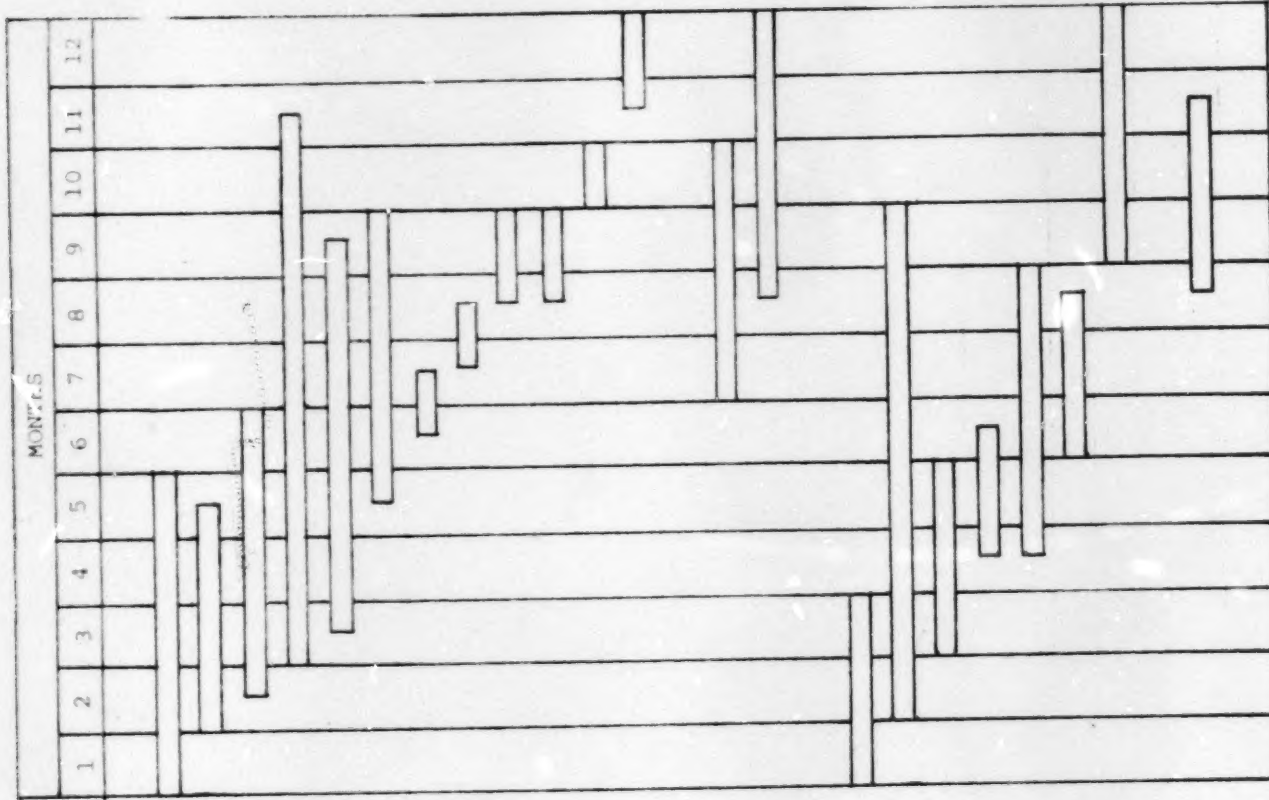
a correspondance will exist between the phrases and messages of the basic set and the dual-input systematic coding of DEBLICOM.

Task 20. Test Designs - Procedures will be designed to train deaf-blind subjects in the use of the speech synthesis subsystem and for testing its usefullness for this segment of the deaf-blind speech-impaired population.

Task 21. Train Instructors, Train and Test Deaf-Blind Subjects
Instructors and deaf-blind subjects selected in Task 16 will be trained in the use of the subsystem. Once the subjects are trained they will take part in tests to determine its usefullness and limits. At least two subjects will be used initially with selection of additional candidates when testing of the DEBLICOM harness and code begins.

V. TASK DESCRIPTIONS - PROJECT REPORT AND DISSEMINATION

Task 22. Second Interim Project Report - A second Interim Report on DEBLICOM will be prepared describing the work in detail and the results accomplished during the forthcoming 12 month period. The report will describe the outcome of completed experiments and the status of those in progress. This report will also detail the work plan and schedule for the third phase of the program, in accordance with the requirements of the Rehabilitation Services Administration, Office of Human Development, Department of Health, Education and Welfare.



DEBLICOM PROJECT TASKS (PHASE II)

DEBLICOM HARNES AND CODE FOR THE DEAF-BLIND

1. Design, engineering, fabrication & procurement of stimulators
2. Design, engineering & fabrication of drivers & controls
3. Test cutaneous stimulators
4. Design, engineering & fabrication of harnesses & controls
5. Selection of deaf-blind subjects
6. Test design for deaf-blind subjects
7. Selection of cutaneous stimulators
8. Test design for systematic codes
9. Test non-redundant code, normals
10. Test redundant code, normals
11. Selection of code
12. Train instructors, train and test deaf-blind subjects

MOBILITY AIDS FOR THE DEAF-BLIND

13. Selection of assistive aids to integrate with DEBLICOM
14. Design, engineering & fabrication of couplers & controls

SYNTHESIZED SPEECH FOR THE DEAF-BLIND

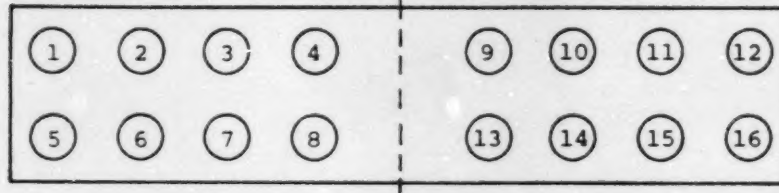
15. Selection of phrases and messages
16. Selection of deaf-blind subjects

PROJECT REPORTS AND DISSEMINATION

17. Phonemic programming
18. Read only memories (ROM) programming
19. Design, engineering and fabrication of couplers
20. Test design
21. Train instructors, train and test deaf-blind subjects
22. Interim project report and dissemination

HUMAN CONTROLLER HARNESS

Left side | Right side

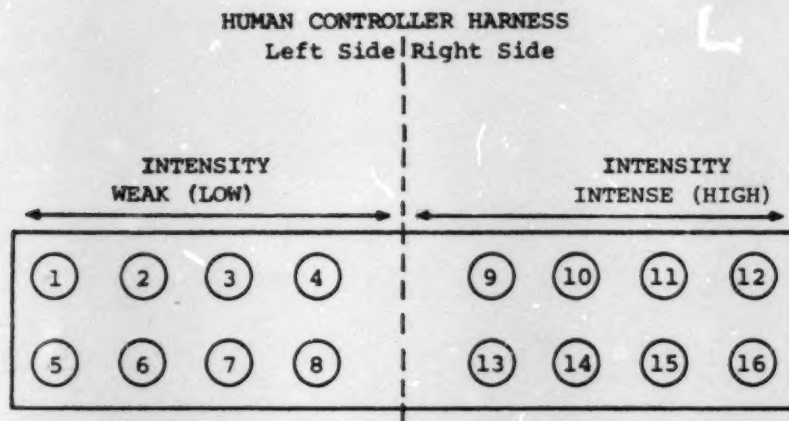


LEGEND

1-16 represent transducers

NOTE: This diagram shows positions which are not representative of the actual locations of the transducers on the harness. Reference page 16, DEBLICOM interim report.

PLATE 2. CUTANEOUS STIMULATORS (TRANSDUCERS) SHOWING POSITIONS ON LEFT AND RIGHT SIDES OF HARNESS FOR NON-REDUNDANT (POSITION ONLY) SYSTEMATIC CODING.

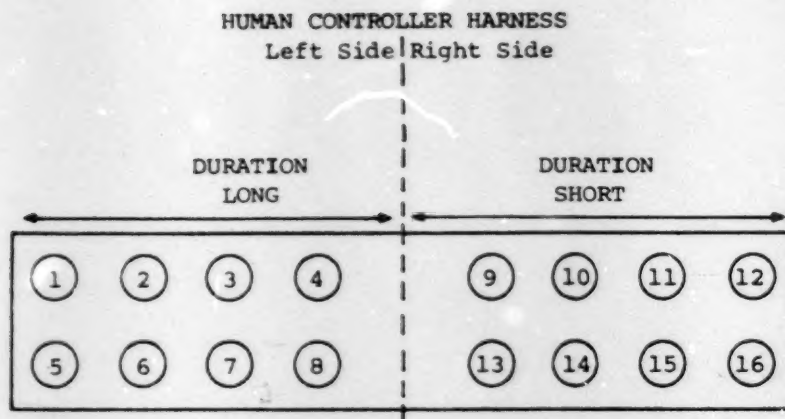


LEGEND

1 - 16 represent transducers

NOTE: This diagram shows positions which are not representative of the actual locations of the transducers on the harness. Reference page 16, DEBLICOM interim report.

PLATE 3. CUTANEOUS STIMULATORS (TRANSDUCERS) SHOWING POSITIONS ON LEFT AND RIGHT SIDES OF HARNESS FOR REDUNDANT (POSITION AND INTENSITY) SYSTEMATIC CODING.

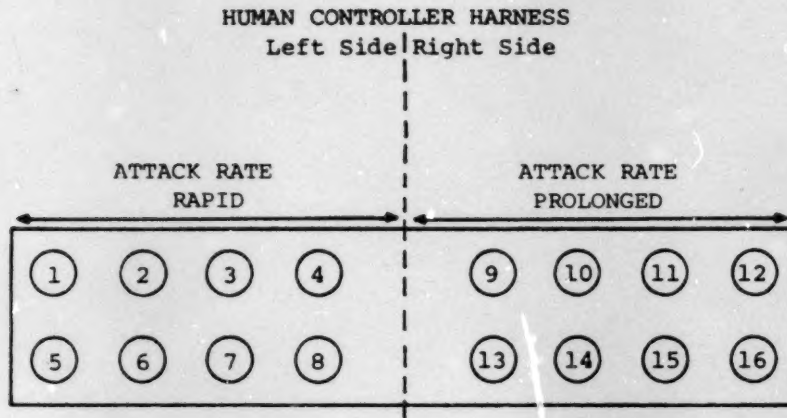


LEGEND

1 - 16 represent transducers

NOTE: This diagram shows positions which are not representative of the actual locations of the transducers on the harness. Reference page 16, DEBLICOM interim report.

PLATE 4. CUTANEOUS STIMULATORS (TRANSDUCERS) SHOWING POSITIONS ON LEFT AND RIGHT SIDES OF HARNESS FOR REDUNDANT (POSITION AND DURATION) SYSTEMATIC CODING.

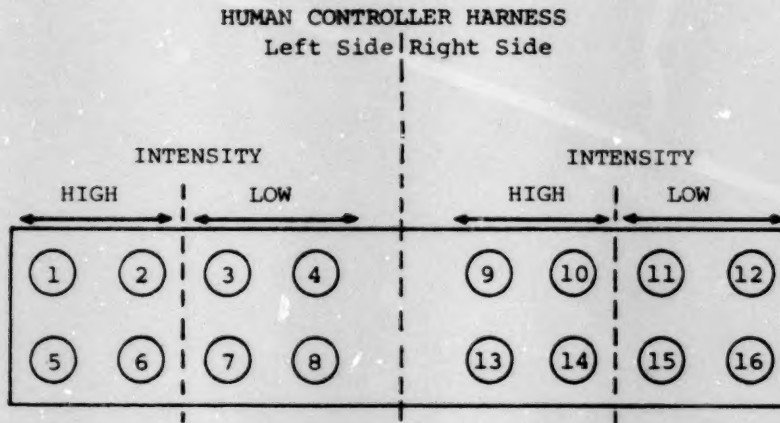
LEGEND

1-16 represent transducers

NOTE: This diagram shows positions which are not representative of the actual locations of the transducers on the harness.

Reference page 16, DEBLICOM interim report.

PLATE 5. CUTANEOUS STIMULATORS (TRANSDUCERS) SHOWING POSITIONS ON LEFT AND RIGHT SIDES OF HARNESS FOR REDUNDANT (POSITION AND ATTACK RATE) SYSTEMATIC CODING.

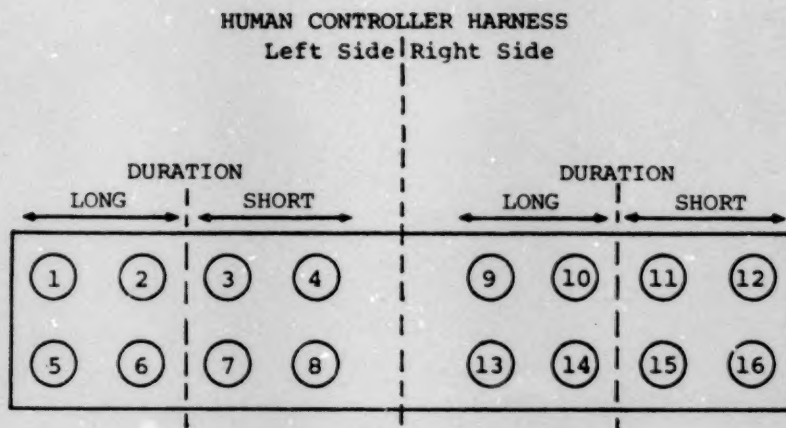


LEGEND

1 - 16 represent transducers .

NOTE: This diagram shows positions which are not representative of the actual locations of the transducers on the harness. Reference page 16, DEBLICOM interim report.

PLATE 6. CUTANEOUS STIMULATORS (TRANSDUCERS) SHOWING POSITIONS ON LEFT AND RIGHT SIDES OF HARNESS FOR REDUNDANT (POSITION AND INTENSITY) SYSTEMATIC CODING. TRANSDUCERS ON EACH SIDE OF HARNESS DIVIDED INTO TWO SEGMENTS WITH RESPECT TO INTENSITY.

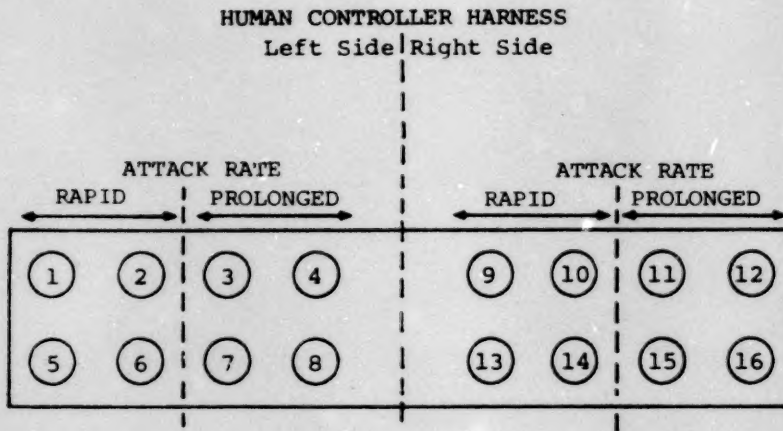


LEGEND

1-16 represent transducers

NOTE: This diagram shows positions which are not representative of the actual locations of the transducers on the harness.
Reference page 16, DEBLICOM interim report.

PLATE 7. CUTANEOUS STIMULATORS (TRANSDUCERS) SHOWING POSITIONS ON LEFT AND RIGHT SIDES OF HARNESS FOR REDUNDANT (POSITION AND DURATION SYSTEMATIC CODING. TRANSDUCERS ON EACH SIDE OF HARNESS DIVIDED INTO TWO SEGMENTS WITH RESPECT DURATION.



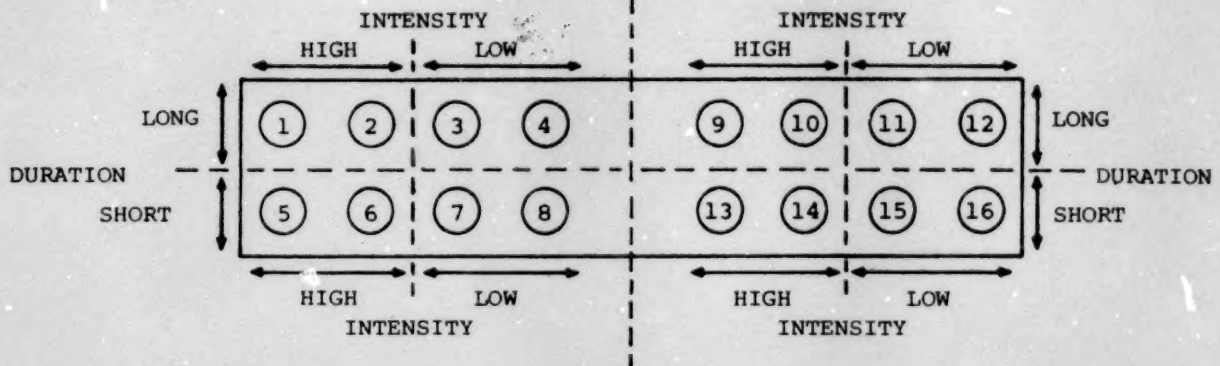
LEGEND

1 - 16 represent transducers

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PLATE 8. CUTANEOUS STIMULATORS (TRANSDUCERS) SHOWING POSITIONS ON LEFT AND RIGHT SIDES OF HARNESS FOR REDUNDANT (POSITION AND ATTACK RATE) SYSTEMATIC CODING. TRANSDUCERS ON EACH SIDE OF HARNESS DIVIDED INTO TWO SEGMENTS WITH RESPECT TO ATTACK RATE.

HUMAN CONTROLLER HARNESS
Left Side | Right Side

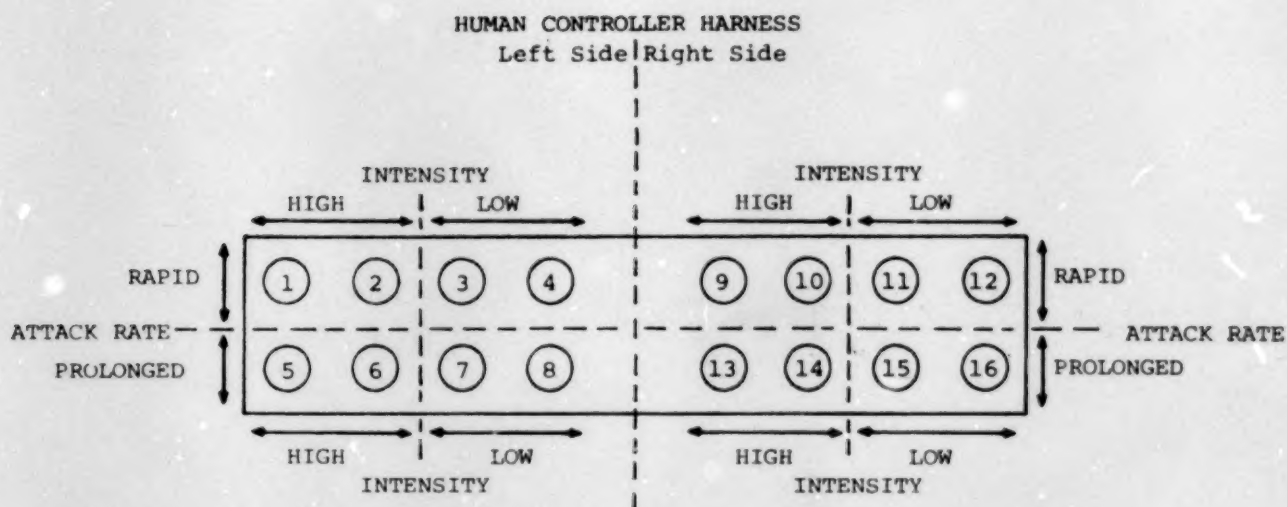


LEGEND

1-16 represents transducers

NOTE: This diagram shows positions which are not representative of the actual locations of the transducers on the harness.

PLATE 9. CUTANEOUS STIMULATORS (TRANSDUCERS) SHOWING POSITIONS ON LEFT AND RIGHT SIDES OF HARNESS FOR REDUNDANT (POSITION, INTENSITY AND DURATION) SYSTEMATIC CODING. TRANSDUCERS ON EACH SIDE OF HARNESS DIVIDED INTO TWO SEGMENTS WITH RESPECT TO INTENSITY AND TWO SEGMENTS WITH RESPECT TO DURATION.

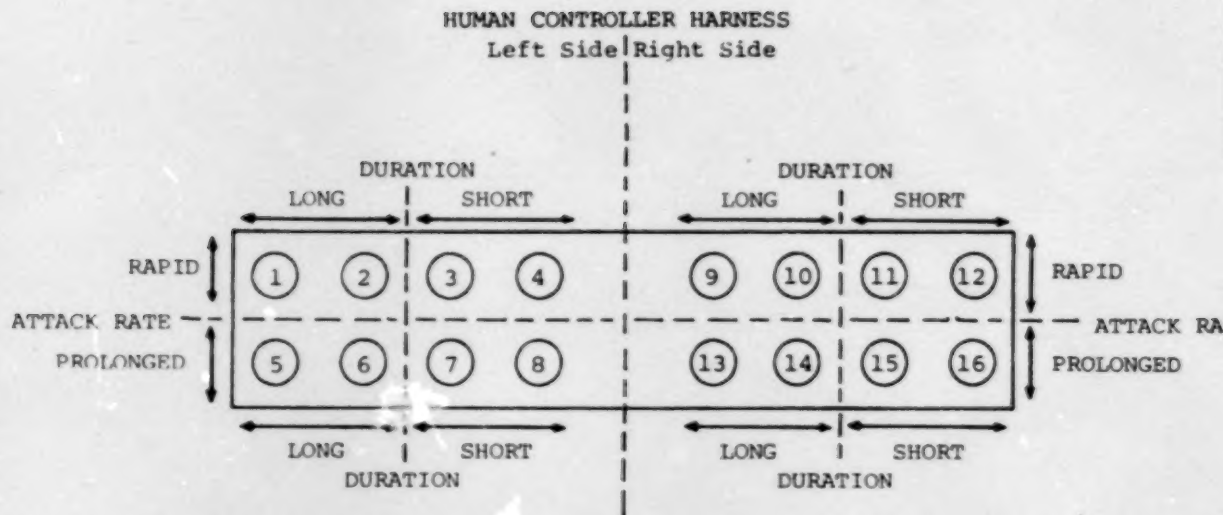


LEGEND

1-16 represents transducers

NOTE: This diagram shows positions which are not representative of the the actual locations of the transducers on the harness.

PLATE 10. CUTANEOUS STIMULATORS (TRANSDUCERS) SHOWING POSITIONS ON LEFT AND RIGHT SIDES OF HARNESS FOR REDUNDANT (POSITION, INTENSITY AND ATTACK RATE) SYSTEMATIC CODING. SEGMENTS WITH RESPECT TO INTENSITY AND TWO SEGMENTS EITH RESPECT TO ATTACK RATE.

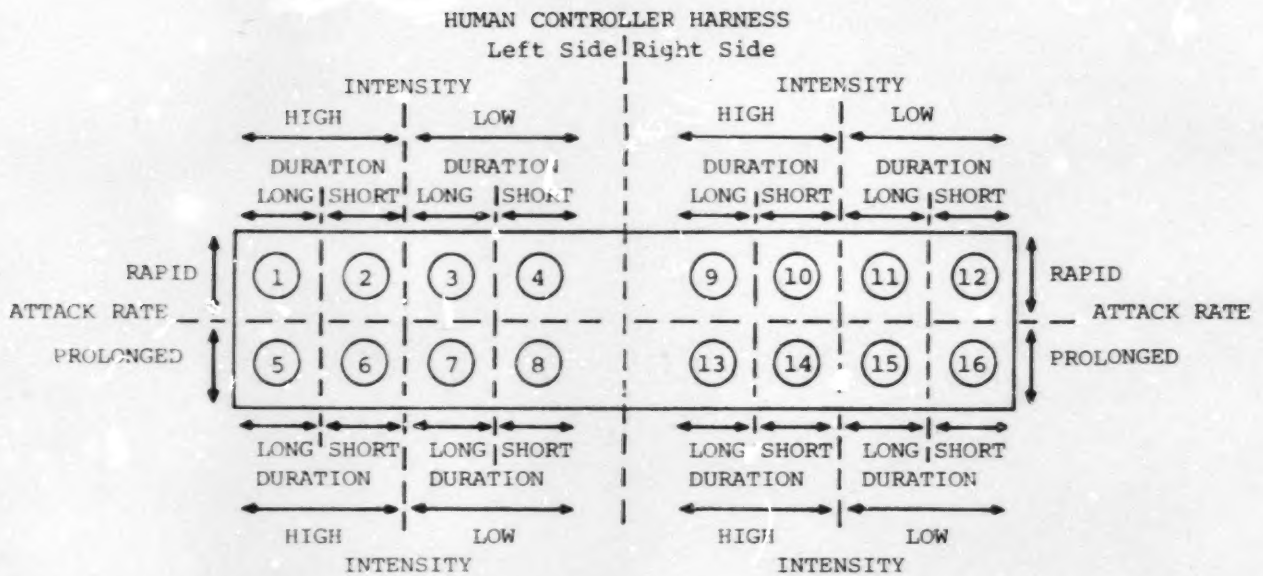


LEGEND

1-16 represent transducers

NOTE: This diagram shows positions which are not representative of the actual locations of the transducers on the harness.

PLATE 11. CUTANEOUS STIMULATORS (TRANSDUCERS) SHOWING POSITIONS ON LEFT AND RIGHT SIDES OF HARNESS FOR REDUNDANT (POSITION, DURATION AND ATTACK RATE) SYSTEMATIC CODING. TRANSDUCERS ON EACH SIDE OF HARNESS DIVIDED INTO TWO SEGMENTS WITH RESPECT TO DURATION AND TWO SEGMENTS WITH RESPECT TO ATTACK RATE.

LEGEND

1-16 represents transducers

NOTE: This diagram shows positions which are not representative of the actual locations of the transducers on the harness.

Reference page 16, DEBLCIOM interim report.

PLATE 12. CUTANEOUS STIMULATORS (TRANSDUCERS) SHOWING POSITIONS ON LEFT AND RIGHT SIDES OF HARNESS FOR REDUNDANT (POSITION, INTENSITY, DURATION AND ATTACK RATE) SYSTEMATIC CODING. TRANSDUCERS ON EACH SIDE OF HARNESS DIVIDED INTO TWO SEGMENTS WITH RESPECT TO INTENSITY, TWO SEGMENTS WITH RESPECT TO DURATION AND TWO SEGMENTS WITH RESPECT TO ATTACK RATE.